buhrs®

PACKAGING TECHNOLOGY

Buhrs DPS

Depalletizer System

The **Buhrs DPS** is a revolutionary system for the automatic depalletizing of pallets with flat packaging. The starting points for this new system – developed by Buhrs – were high net output, maximum automation, reduction of human touch points and minimization of the transport movements around the machine.

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Buhrs DPS

The **Buhrs DPS** – DePalletizer Singulator – is a system that can receive strapped pallets and automatically process these pallets with (wind-mill pattern) stacked material into a continuous singulated stream / flow of board material for packaging machines on one side, and separated return materials on the other side. With this method manual handling is eliminated such as:

- De-strapping and pallet label reading
- Removing covers and separation sheets
- Removing packaging material and loading the feeding mechanism of the downstream packaging line such as a case erector or wraparound cartoner.

Further features that the system offers are:
- Quality control of print, orientation and sticking material, with cameras and thickness control to detect double or triple picks
- Pallet change without interrupting the process
- Automated set-up in the machine, without manual adjustments

Other advantages the Buhrs DPS brings are:
- Eliminating of forklift movements in the packaging hall
- Increased efficiency of the downstream packaging lines which results in up to 70% less errors or jams, due to diverting of bad quality material.
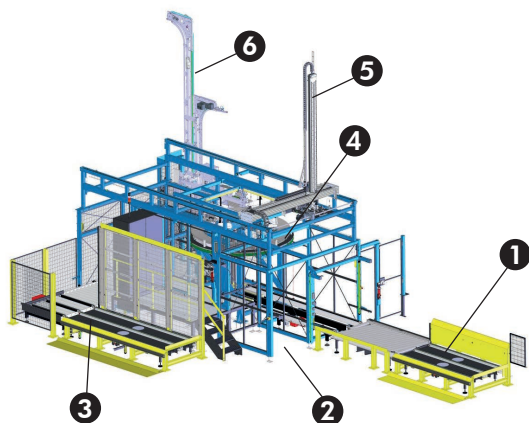
Main components

1. Pallet infeed
2. Collation position for seperation sheets
3. Pallet and cover stackers
4. Pick and place robots
5. Gantry
6. Transport module

Technical specifications

• **Minimum blank size**	pending
• **Maximum blank size**	650 x 550 mm (Mill pattern)
• **Speed blanks / min**	80 / min (DPS40 – 40/min)
• **Pallet sizes / standards**	1200 x 1200, Euro Pallet
• **Approximately Machine**	7 x 4 x 7 meter (LxWxH) exclusive conveying

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